

YUR'YEV, Yu.K.; SADOVAYA, N.K.; GAL'BERSHTAM, M.A.

Chemistry of selenophene. Part 35: Chloromethylation of selenophene and its homologs. Zhur. ob. khim. 32 no.1:259-263 Ja '62.

(MIRA 15:2)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Selenophene)

YUR'YEV, Yu.K.; GAL'BERSHTAM, M.A.; SADOVAYA, N.K.

Chemistry of selenophene. Part 26: Reactions of 2-chloromethyl-
selenophene and its homologs. Zhur.ob.khim. 32 no.4:1301-1307
Ap '62. (MIRA 15:4)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Selenophene)

YUR'YEV, Yu.K.; SADOVAYA, N.K.; GREKOVA, Ye.A.

Chemistry of selenophene. Part 49: Reactions of 3-bromoselenophene.
Zhur. ob. khim. 34 no. 3:847-851 Mr '64. (MIRA 17:6)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.

YUR'YEV, Yu.K.; SADOVAYA, N. K.

Chemistry of selenophene. Part 51: Sulfonation of selenophene
and 2-methylselenophene. Zhur. ob. Khim. 34 no.6:1803-1807
Je '64. (MIRA 17:7)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

YUR'YEV, Yu.K.: SADOVAYA, N.K.

Chemistry of selenophene. Part 52: Sulfuration of selenophene-
2-aldehyde and selenophene-2-carboxylic acid. Zhur. ob. khim.
34 no. 7: 2190-2195 JI '64 (MIRA 17:8)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.

06200

S/153/60/003/005/013/016
B013/B058

15.9200

2109,2209

AUTHORS: Gridunov, I. T., Koshelev, F. F., Sadovaya, Ye. F.
TITLE: Use of Moistened Silica Gel Powder in Fire-inhibiting Rubber
PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1960, Vol. 3, No. 5, pp. 924-927

TEXT: The fireproofness of rubber from nairit (polychloroprene rubber), to which moistened silica gel powder was added, was studied here. The quality of the raw materials used, nairit, silica gel powder, and others, conformed with the State ГОСТ (GOST) standards, as well as technical specifications. Mixtures were rolled in laboratory rollers of 300 mm length. Samples were vulcanized in steam-heated presses at 143°C with a specific pressure of 30-40 kg/cm² per mold. Mechanical properties were checked by the methods laid down by GOST. Fireproofness was determined by the method described by K. A. Andrianov and D. A. Kardashev (Ref. 9). Test results are given in Tables 1-6. The studies showed that an addition of silica gel powder with 20% humidity content increases the fireproofness

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Use of Moistened Silica Gel Powder in Fire-
inhibiting Rubber

S/153/60/003/005/013/016
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of rubber from nairit. The physical and mechanical, as well as technical, properties of the material are not impaired thereby. The use of moistened silica gel powder combined with chlorinated paraffin and chlorinated rubber warrants complete incombustibility and outstanding mechanical properties of rubber from nairit. There are 6 tables and 10 references: 2 Soviet and 8 British. X

ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii im..
M. V. Lomonosova, Kafedra tekhnologii reziny (Moscow
Institute of Fine Chemical Technology imeni M. V. Lomonosov,
Department of Rubber Technology)

SUBMITTED: November 26, 1958

Card 2/2

ISHCHENKO, I.M., kand.tekhn.nauk; SADOVENKO, D.I., inzh.

Investigating the effect of the corrugation of crushing
plates of stone jaw crushers on their efficiency. Avt.dor.
i dor.stroi. no.1:85-90 '65.

(MIRA 18:11)

SADOVENKO, D.I., inzh.

Improving the quality of gravel. Avt. dor. 28 no.4:19 Ap '65.
(MIRA 18:5)

LEL'CHUK, L.; SADOVENKO, W.

Grinding bushings by means of rotating centers. Tekh. sov.
kolkh., RTS, sovkhoz. 20 no.23: 6-7 D.'59. (MIRA 13:3)
(Grinding and polishing)

SADOVENKO, V., inzh.; BELYI, N., inzh.

Use of short-circuited motors for the drive of two-leaf sluice
gates. Rech.transp. 20 no.4:49 Ap '61. (MIRA 14:5)
(Sluice gates—Electric driving)

MIKHAYLOVSKIY, G. A.; SADOVENKO, V. V.

Marine Engineering

Examination of the performance of the oil traps on vessels of the type "Akademik Vavilov."
Rech. Transp. 12, No. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1952. UNCLASSIFIED.

SADOVENKO, V.V., inzhener.

Experience with operating butterfly sluice gates. Gidr.stroi. 25
no.9:33-35 0 '56. (MLRA 9:11)
(Sluices)

SADOVENKO, V.V., inzhener.

Upstream and downstream passage through multiple chamber locks. Rech.
transp. 16 no.2:29 F '57. (MLRA 10:3)

(Inland water navigation) (Locks (Hydraulic engineering))

SADOVENKO, V.V.
SADOVENKO, V.V.

Use of floating ring bolts for three-compartment sluices.
Rech.transp. 16 no.10:36-37 0 '57. (MIRA 10:12)
(Sluices) (Anchorage)

SADOVICH, V.

Simple devices for the mechanization of loading and unloading operations. Avt.transp. 39 no.12:35-36 D '61. (MIRA 15:1)

1. Nachal'nik konstruktorsko-tekhnologicheskogo otdela Orenburgskogo avtotresta.

(Loading and unloading--Equipment and supplies)

SADOVIN, I., starshiy master

Hydrodynamic cleaning of atomizers of pump and injectors.
Avt. transp. 38 no. 12:43 D '60. (MIRA 13:12)

1. Arkhangel'skiy lesotekhnicheskiy institut.
(Motor vehicles--Fuel systems)

SADOVIN, N.A., ekskavatorshchik

We combine operations skillfully. Transp.stroi. 12 no.10:4-5
0 '62. (MIRA 15:12)

1. Mekhanizirovannaya kolonna No.44 Gosudarstvennogo tresta po
mekhanizatsii stroitel'stva Glavspetsstroyputi Ministerstva
transportnogo stroitel'stva SSSR.
(Railroads--Earthwork)

SADOVNICHA, L.M. [Sadovnycha, L.M.]

Work practices of the Pervomaisk Factory of Electric Engineering
Porcelain. Leh.prom. no.1:48-49 Ja-Mr '63. (MIRA 16:4)

SHKODIN, A.M.; SADOVNICHAYA, L.P.; PANCHENKO, V.S.

Titration of mixtures of bases in anhydrous acetic acid. Zhur.-
anal.khim. 17 no.5:540-543 Ag '62. (MIRA 16:3)

1. Khar'kovskiy gosudarstvennyy universitet imeni A.M.Gor'kogo.
(Bases) (Titration)

SHKODIN, A.M.; SADOVNICHAYA, L.P.

Acid-base equilibrium in acetic acid. Part 6: Electric conductivity and dissociation constants of bases. Zhur.fiz.khim. 36 no.8:1826-1829 Ag '62. (MIRA 15:8)

1. Khar'kovskiy gosudarstvennyy universitet.
(Acid-base equilibrium) (Acetic acid)

SHKOTIN, A.M.; SADOVNICHAYA, L.P.

Acid-base equilibria in anhydrous acetic acid. Part.6: Determination of the dissociation constants of bases by potentiometric methods.

Izv. vys. ucheb. zav.; khim. i khim. tekhn. 7 no.4:568-571 '64.
(MIRA 17:12)

L. Kafedra neorganicheskoy khimii Khar'kovskogo gosudarstvennogo universiteta im. A.M. Gor'kogo.

SHKODIN, A.M.; SADOVNICHAYA, L.P.

Acid-base equilibria in anhydrous acetic acid. Part 5: Electroconductivity and dissociation constants of weak bases. Ukr. Khim. zhur. 30 no.8:773-776 '64. (MIRA 17:11)

1. Khar'kovskiy gosudarstvennyy universitet imeni Gor'kogo.

AUTHOR: Sadovnichenko, A.I., Engineer SOV/117-58-11-34/36

TITLE: The Day of the Innovator (Den' novatora)

PERIODICAL: Mashinostroitel', 1958, Nr 11, pp 44 - 45 (USSR)

ABSTRACT: At the Nevskiy mashinostroitel'nyy zavod imeni V.I. Lenina (Neva Machine Building Plant imeni V.I. Lenin) a "Day of the Innovator" was organized on June 18, 1958, by the Komitet po metallizatsii Leningradskogo otdeleniya NTO Mashproma (Committee for Metallization, of the Leningrad Branch of NTO Mashprom). The leading engineer of the plant laboratory, S.A. Zalis, read a paper on the use of metallization in the Leningrad plants. The assistant of the chief engineer of the plant, A.V. Petukhov, spoke on the development of metallization in the plant. Metallization has shown good results in the repair of worn machine parts.

1. Flame spraying---USSR

Card 1/1

SADOVNICHENKO, P., polkonik, voyenny letchik pervogo klassa

Flight guidance in retraining pilots. Av.i kosm. 44 no.2:42-45
'62. (MIRA 15:3)

(Flight training)

3.5800
S/169/62/000/011/052/077
D228/D307

AUTHOR: Sadovnichenko, P.

TITLE: Weather surveying and flight safety

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 11, 1962, 89,
abstract 11B502. (Aviatsiya i kosmonavtika, no. 5,
1962, 50-53)

TEXT: The article concerns the role of weather surveying
in the meteorologic provision for flight safety and the sequence and
method of its execution under flying conditions. ✓
[Abstracter's note: Complete translation]

Card 1/1

SADOVNICHENKO, P.P., podpolkovnik, voyenny letchik pervogo klassa

Defensive barrage in aerial combat. Vest.Vozd.Fl. no.1:31-34
Ja '60. (MIRA 13:8)

(Air warfare)

SADOVNICHENKO, P., polkovnik, voyenny letchik pervogo klassa

Flights are finished. Av. 1 kosm. 47 no.4:58-60 Ap '65.

(MIRA 18:4)

BOGOLYUBOV, N.N., mladshiy; SADOVNIKOV, B.I.

Green's functions and their spectral representations in the statistical representations in the statistical mechanics of classical systems. Vest. Mosk. un. Ser.3: Fiz., astr. 17 no.5:54-61 S-0 '62. (MIRA 15:10)

1. Kafedra statisticheskoy fiziki i mekhaniki Moskovskogo universiteta.

(Potential, Theory of) (Statistical mechanics)

ACC NR: AP7002665

SOURCE CODE: UR/0109/67/012/001/0076/0086

AUTHOR: Litovchenko, V. G., Frolov, O. S., Vengris, S. A., Serba, A. A.
Sadovnichiy, A. A.

ORG: none

TITLE: Photoelectric characteristics of the capacitance of a surface charge varicap

SOURCE: Radiotekhnika i elektronika, v. 12, no. 1, 1967, 76-86

TOPIC TAGS: varactor diode, silicon semiconductor, *photoelectric property*

ABSTRACT: The photoelectric properties of the spacecharge capacitance of metal-oxide-silicon (MOS) varicaps were studied. The varactors were made from rectangular high-resistance (5×10^1 — 5×10^2 ohms/cm) photosensitive silicon chips (dimensions, $15 \times 5 \times 0.5$ mm). The varicap was made from one part of the chip (area of the semitransparent metallic electrode, $\sim 10^{-2}$ — 1 mm^2 ; thickness of the oxide, $\sim 0.3 \mu$). The other part of the chip was used for photoconductance measurements from which the level of injunction of electron-hole pairs Δn was calculated. The varicap was illuminated with a tungsten incandescent lamp; the intensity was varied with platinum filters. The capacitance of the samples was

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UDC: 621.383.5

ACC NR: AP7002665

measured with a resonance circuit in the 50-100-Mc frequency range at different bias voltages; the maximum amplitude of the measuring a-c signal applied to the varactor was 25 mv. Two types of varactors were studied: 1) those with low lateral resistance (the dielectric layer had $\rho_{ok} \approx 10^8$ ohms/cm); 2) those with high lateral resistance ($\rho_{ok} \approx 10^{11}$ ohms/cm). Capacitance was found to increase with increasing light intensity and to decrease with increasing reverse bias in both cases. Capacitance was also found to decrease with increasing frequency in both types of varactor. Orig. art. has: 10 figures and 3 formulas.

SUB CODE: 0920/ SUBM DATE: 03Aug65/ ORIG REF: 004/ OTH REF: 007/

Card 2/2

SADOVNICHYIY, B.Ye., uchitel' khimii; NAZAROVA, V.S., uchitel' khimii

Device for demonstrating the explosion of detonating gas.
Khim.v shkole 14 no.5:80 S-O '59. (MIRA 12:12)

1. Orchikovskaya srednyaya shkola Khar'kovskoy oblasti.
(Explosions) (Chemical apparatus)

SADOVNICHYI, B.Ye., uchitel' khimii; NAZAROVA, V.S., uchitel'nitsa khimii

Movable exhaust hood. Khim.v shkole 15 no.1:71-72 Ja-P '60.
(MIRA 13:5)

1. Orchikovskaya srednyaya shkola Khar'kovskoy oblasti.
(Exhaust systems)

SADOVNICHYI, B.Ye., uchitel'

Experiment with the freezing of electrolytes. Khim. v shkole 17
no.3:66-67 My-Je '62. (MIRA 15:6)

1. Peskovskaya srednyaya shkola Khar'kovskoy oblasti.
(Chemistry--Experiments) (Electrolyte solutions)

SADOVNICHIIY, B.Ye. (selo Peski, Khar'kovskaya oblast'); ZAYTSEV, M.S..

Creeping apple tree. Priroda 50 no.9:112 S '61.
(MIRA 14:8)

1. Glavnyy botanicheskiy sad AN SSSR (Moskva).
(Kharkov Province--Apple)

SADOVNICHYI, B.Ye. (st. Peski, Khar'kovskaya obl.)

Fall growth of buds. Priroda 50 no.11:127 N '61. (MIRA 14:10)
(Buds)

SADOVNICHIIY, N.P.; ZHAD'KO, I.I., inzh.

Mechanization of the erection and repair of overhead electric lines.
Vest. svyazi 19 no.7:5-7 J1 '59. (MIRA 13:8)

1. Zamestitel' nachal'nika Kiyevskogo otdeleniya Tsentral'nogo nauchno-
issledovatel'skogo instituta svyazi (for Sadovnichiy).
(Electric lines--Overhead)

SADOVNICHYI, Nikolay Petrovich; ZHAD'KO, Ivan Ivanovich; ULANOVSKAYA,
N.M., red.; SLUTSKIN, A.A., tekhn. red.

[Mechanization of construction and repair operations of over-
head communication and wire broadcasting lines] Mekhanizatsiia
stroitel'stva i remonta vozdukhnykh linii svyazi i radiofika-
tsii. Moskva, Svyaz'izdat, 1962. 117 p. (MIRA 15:9)
(Electric lines—Overhead) (Wire broadcasting)

SADOVNICHIIY, P. Ya., vetvrach (Zhigulevsk, Kuybyshevskoy oblasti)

Prophylaxis and treatment of avitaminosis in goats. Veterinariia
35 no.9:80-81 S '58. (MIRA 11:9)
(Goats--Diseases and pests) (Deficiency diseases)

S/129/62/000/008/002/003
E071/E435

AUTHORS: Rubel', I.S., Engineer, Brilakh, M.M., Engineer,
Sadovnichiy, V.P., Engineer

TITLE: Phase composition and properties of austenitic steels
containing nitrogen

PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov,
no.8, 1962, 40-43 + 1 plate

TEXT: The influence was studied of short (5 to 30 min) and prolonged (1 to 3 hours) heating on changes in the phase composition of austenite-ferrite steels X28H9M2D1A3 (Kh28N9M2D1A3) and X30H9M2D1A3 (Kh30N9M2D1A3) containing, respectively, 0.65 and 0.53 N. Particularly the dependence of the kinetics of $\delta \rightarrow \sigma$ transformation on the heating temperature and duration during re-heating of hardened specimens and under isothermal conditions were investigated. The amount of σ phase was determined from the percentage decrease in the ferromagnetic phase. In the initial state the structure of the steels consisted of the γ , δ and σ phases. The amount of ferrite phase increased on

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Phase composition and properties ...

S/129/62/000/008/002/003
E071/E435

hardening (from 1100°C) from 11-12 to 16% and from 20-22 to 30% for the steels Kh28N9M2D1A3 and Kh30N9M2D1A3 respectively. The microhardness of the structural components of the steels in the initial and hardened states and after ageing at 800°C for 3 hours were determined. Corrosion resistance of the steel specimens in the initial state and after hardening were determined in a suspension of phosphogypsum at 75°C and in a 10% solution of ammonium chloride at 60°C. The results indicate that the transfer of σ phase into solution, caused by hardening, lowers the mean velocity of corrosion. The kinetic curves indicate that the beginning and intensity of $\delta \rightarrow \sigma$ transformation depend on temperature. With increasing temperature the velocity of transformation increases, whereupon at each temperature the velocity of transformation is higher in steel Kh28N9M2D1A3 than in the steel Kh30N9M2D1A3. The transformation velocity has a maximum at 800 to 850°C; at these temperatures the transformation is completed in 8 to 10 min. The upper temperature limit of σ -phase was determined for the case of isothermal treatment: at 1000°C no σ -phase was detected, at 900°C σ -phase was present.

Card 2/3

MALYSHEV, F.A., kandidat tekhnicheskikh nauk; SADOVNICHIIY, V.V., kandidat tekhnicheskikh nauk; ANUCHKIN, M.V., inzhener

Hydraulic preparation of peat fertilizers. Izv. AN BSSR no.1:89-98
Ja-F '55. (Peat) (MIRA 8:7)

SADOVNICHY, V.V.; BUDNIK, V.V.; LAGUTO, L.D.

The PPFM milling, processing, and forming machine for obtaining
granulated peat. Vestsi AN BSSR Ser.fiz.-tekh.nav. no.1:131-133
'56. (Peat machinery) (MLRA 9:10)

15-57-5-7265

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 5,
pp 216-217 (USSR)

AUTHOR: Sadovnichiy, V. V.

TITLE: Extraction of Peat by Means of an Excavation-
Transportation Type Scraper (Zagotovka torfa
skreperom tipa zemleroynotransportnykh skreperov)

PERIODICAL: Tr. In-ta torfa AN BSSR, 1956, Vol 5, pp 77-84

ABSTRACT: Tests of the D-222 excavation-transportation type
scraper on peat pellets showed that the scoop of the
scraper is not satisfactory for picking up the peat.
The scraper exercises an excessive pressure on the
peat surface, which is detrimental to the peat exploi-
tation. The scoop unloads poorly. The peat pellets
become caught in the almost horizontal blades and a
large amount thus remains in the scoop. Laboratory
tests were conducted on peat layers up to 5 cm thick.

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15-57-5-7265

Extraction of Peat (Cont.)

The relation of the width of the scoop to its length was studied. Optimum values for this relation were found by the Peat Institute of the Academy of Sciences, **Belorussian** SSR. The Institute then designed and constructed an experimental model of a peat-extracting and transporting scoop designated as DTK-1. This scoop is designed for extraction of peat in layers for use as soil conditioner. The scoop performs the following operations: 1) cuts the layer of peat or picks up the previously loosened layer of the deposit; 2) removes the peat to the unloading point or to the place of use; 3) piles the peat or distributes it over the fields. The scoop simplifies substantially extraction and transportation of peat for agricultural use. The DTK-1 scoop is coupled to a DT-54 tractor. The design, characteristics, and conditions of operation of the scoop are described. A table shows productivity of the scoop and cost of peat preparation, based on distance of transportation; the cost is estimated at 146 rubles per tractor trip.

Card 2/2

I. A. K.

SADOVNICHYI, V.V.

Mechanization of the drying of block peat. Trudy Inst. torf. AN BSSR
6:422-430 '57. (MIRA 11:7)
(Peat--Drying)

KOSTYUK, N.S.; SADOVNICHYI, V.V.; BUZUK, A.A.

Two-stage method for winning deeply lying peat with a
high-bitumen content. Trudy Inst. torf. AN BSSR 6:527-531
'57. (MIRA 11:7)

(Peat) (Bitumen)

SADOVNICHYI, V.V.; KHLUDENEV, V.P.

DMN-V tractor-mounted machine for winning small-size machine peat.
Trudy Inst. torf. AN BSSR 9:150-152 '60. (MIRA 14:2)
(Peat machinery)

SADOVNICHY, V.V.; SAPELKIN, M.V.

Characteristics of the working part of the MSK-2 machine employed
in the mechanization of the natural drying of machine peat. Truly
Inst. torf. AN BSSR 9:169-176 '60. (MIRA 14:2)
(Peat machinery)

L 21835-66 EWT(1)/T WR

ACC NR: AP6003550

SOURCE CODE: UR/0109/66/011/001/0011/0020

AUTHOR: Sadovnikov, A. P.

ORG: none

TITLE: Calculation of antenna field in the Fresnel and induction regions

SOURCE: Radiotekhnika i elektronika, v. 11, no. 1, 1966, 11-20

TOPIC TAGS: antenna engineering, antenna theory, asymptotic method

ABSTRACT: As the existing methods of calculating antenna field cover only particular cases and do not always permit evaluating the error involved, the present article submits a new method for field calculation which yields rather simple universal formulas for electromagnetic-field components at any distance from the aperture of a planar single-dimensional antenna. The new method is based on transformations of the Hertzian magnetic function and evaluation of the integrals involved by stationary-phase techniques. Asymptotic formulas for H_z and E_x components are developed which hold true for all three (induction, Fresnel, and Fraunhofer) regions except for a small space ($\sim \lambda$) immediately adjacent to the aperture fringes. The formulas, in

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UDC: 621.396.671

• L 21835-66

ACC NR: AP6003550

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conjunction with Fresnel-function tables, permit calculating the field of an antenna having any aperture width. The number of terms (of the series used in the calculation) depends on the field distribution in the aperture; three or less terms are sufficient for practically important cases. The tangential components H_z and E_ρ of the electromagnetic field have the same angle and radial formulas for the Fresnel and Fraunhofer regions. Error formulas are also given. Orig. art. has: 4 figures and 48 formulas.

SUB CODE: 09 / SUBM DATE: 28Sep64 / ORIG REF: 005 / OTH REF: 001

Card 2/2 *nst*

NABOKOV, V.A.; SADOVNIKOV, A.I.; USPENSKIY, I.V.

Use of a granulated type DDT preparation in the control of the vectors of tick-borne encephalitis. Med. paraz. i paraz. bol. 32 no.4:476-480 JI-Ag '63. (MIRA 17:8)

1. Iz otdela entomotoksikologii i dezinseksii (zav. - prof. V.A. Nabokov) Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni Ye.I. Martsinovskogo Ministerstva zdravookhraneniya SSSR (dir. - prof. P.G. Sergiyev) i Gosudarstvennogo nauchno-issledovatel'skogo instituta Grazhdanskogo vozdushnogo flota (nachal'nik - general-leytenant inzhenerno-tekhnicheskoy sluzhby N.A. Zakharov).

NABOKOV, V.A.; SADOVNIKOV, A.I.; USPENSKIY, I.V. Prinimali uchastiye;
LARYUKHIN, M.A.; KRIVTSOVA, Ye.N.; YERSHOVA, T.S.; KISH, S.S.;
ORLOVA, G.N.

Use of a helicopter for spraying foci of tick encephalitis in
forests. Med. paraz. i paraz. bol. 33 no.1:64-68 Ja-F '64
(MIRA 18:1)

1. Otdeleniye toksikologii i bor'by s chlenistonogimi (zav. -
prof. V.A. Nabokov) Instituta meditsinskoy parazitologii i
tropicheskoy meditsiny imeni Ye.I. Martsinovskogo (direktor -
prof. P.G. Sergleyev) i Gosudarstvennyy nauchno-issledovatel'-
skiy institut Grazhdanskogo Vozdushnogo Flota, Moskva. 2. In-
stitut meditsinskoy parazitologii imeni Ye.I. Martsinovskogo
(for Laryukhin, Krivtsova, Yershov). 3. Gosudarstvennyy
nauchno-issledovatel'skiy institut Grazhdanskogo Vozdushnogo
Flota (for Kish, Orlova).

SADOVNIKOV, A.P.

Calculation of antenna fields in the Fresnel zone and
induction regions. Radiotekh. i elektron. 11 no.1:11-20
Ja '66. (MIRA 19:1)

SADOVNIKOV, A.V.

AID P - 5435

Subject : USSR/Aeronautics - condensation trails
Card 1/1 Pub. 135 - 12/31
Author : Sadovnikov, A. V., Eng.-Maj.
Title : How to prevent the appearance of condensation trails
Periodical : Vest. vozd. flota, 1, 57-60, Ja 1957
Abstract : What causes the creation of condensation trails in various layers of air, and how to prevent them is shortly described in this article. The article is of informative value.
Institution : None
Submitted : No date

ACC NR: AP6033485

SOURCE CODE: UR/0413/66/000/018/0088/0088

INVENTOR: Velikov, K. A.; Shemanskiy, G. A.; Sadovnikov, B. I.

ORG: none

33

B

TITLE: Photographic nystagmograph, Class 30, No. 186078

SOURCE: Izobret prom obraz tov zn, no. 18, 1966, 88

TOPIC TAGS: vision, nystagmus, nystagmography, photographic nystagmograph, *photography, medical research*

ABSTRACT: An Author Certificate has been issued for a photographic nystagmograph. The device consists of a rotating disk with variously colored objects attached at

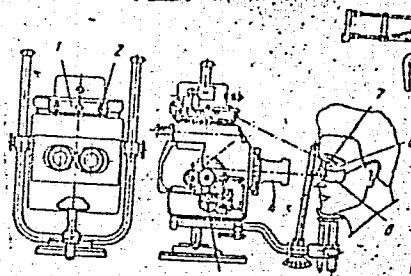


Fig. 1. Photographic nystagmograph

1 - Rotating disk; 2 - test objects;
3 - photographic recorder; 4 - optical
system; 5 - ball mirror; 6 - wire
cantilever; 7 - contact lens; 8 - half
mask; 9 - cantilever for horizontal
nystagmography.

Card 1/2

UDC: 617.761-009, 24-073.96; :615.471

Card 2/2 mc

27668
S/O41/61/013/003/001/010
B112/B125

16.4500

AUTHORS: Bogolyubov, N. M. (the younger), and Sadovnikov, B. I.

TITLE: Periodic solutions of an n-th order differential equation with a small parameter

PERIODICAL: Ukrainskiy matematicheskii zhurnal, v. 13, no. 3, 1961, 3-11

TEXT: Using the method of successive approximations the authors construct periodic (period 2π) solutions $y(t)$ of the integro-differential equation:

$$y^{(n)} = \mu(f - \langle f \rangle), \quad \langle f \rangle = \frac{1}{2\pi} \int_0^{2\pi} f(t) dt.$$

They study both convergence of the

approximation and stability of the solution. The function

$f = f(t, x, x', \dots, x^{(n-1)}, \mu)$ is periodic (period 2π) with respect to t and assumed to be analytic with respect to the complex variables

$x, x', \dots, x^{(n-1)}$. μ is a small parameter. The $(m+1)$ -th approximation is obtained as periodic solution of the equation:

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Periodic solutions of an n-th ...

$$y_{m+1}^{(n)} = \mu \{ f(t; \xi + y_m, y_m', \dots, y_m^{(n-1)}; \mu) - \langle f(t; \xi + y_m, y_m', \dots, y_m^{(n-1)}; \mu) \rangle \}$$

with the additional condition: $\langle y_{m+1} \rangle = 0$. To determine the parameter ξ the equation

$$\Phi(\xi, \mu) = \langle f(t; \xi + y, y', \dots, y^{(n-1)}; \mu) \rangle = 0$$

must be solved. To study the stability of the solutions

$x = \xi(\mu) + y(t, \xi(\mu), \mu)$ the author reduces the equation of variations

$$\delta x^n = \mu \sum_{q=0}^{n-1} \frac{\partial f(t, \xi + y(t, \xi, \mu), y'(t, \xi, \mu), \dots, y^{(n-1)}(t, \xi, \mu); \mu)}{\partial x^{(n)}} \delta x^{(q)}.$$

to an equation with constant coefficients. This reduction is made according to K. A. Breys (DAN SSSR, t. 108, No. 6, 997-1000). There are 3 Soviet and 1 non-Soviet references.

SUBMITTED: April 10, 1961, Moscow

Card 2/2

BCGOLYUBOV, N.N.; SADCVNIKOV, B.I.

One variant of the averaging method. Vest. Mosk. un. Ser. 3:
Fiz., astron. 16 no.3:24-34 My-Je '61. (MIRA 14:7)

1. Kafedra statisticheskoy fiziki i mekhaniki Moskovskogo
gosudarstvennogo universiteta.
(Approximate computation) (Differential equations, Partial)

SADOVNIKOV, B. I. and BOGOLYUBOV, N. N.

"On periodic solutions of differential equations of the n -order with a small parameter."

Paper presented at the Intl. Symposium on Nonlinear Vibrations, Kiev, USSR, 9-19 Sep 61

Moscow State University, Moscow

S/188/62/000/005/006/008
B102/B108

AUTHORS: Bogolyubov, N. N. (junior), Sadovnikov, B. I.
TITLE: Green's functions in the statistical mechanics of classical systems and their spectral representations
PERIODICAL: Moscow. Universitet. Vestnik. Seriya III. Fizika, astronomiya, no. 5, 1962, 54 - 61

TEXT: As spectral representation of the Green functions plays so important a part in the statistics of quantum mechanics the authors introduce the advanced and retarded two-time Green functions into the statistics of classical mechanics and derive a spectral representation of these functions. The Green functions are introduced in a way similar to that in quantum mechanics and the transition to classical mechanics is made by the limiting process, $\hbar \rightarrow 0$. This limiting process is impossible for the "causal" Green functions that occur in quantum mechanics since in the classical case they take the form $G_c = \langle T \dots \dots \rangle / i\hbar$. Hence it is only the retarded and advanced functions

$$\begin{aligned} G_r(t, t') &= \theta(t - t') \langle [A(t); B(t')] \rangle, \\ G_a(t, t') &= -\theta(t' - t) \langle [A(t); B(t')] \rangle. \end{aligned} \quad (1)$$

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B102/B108

Green's functions in the...

are brought into classical mechanics. $[A;B]$ is the Poisson bracket;
 $\theta(t) = \begin{cases} 1, t > 0 \\ 0, t < 0 \end{cases}$. The spectral representation is arrived at by a way
analogous to that in quantum mechanics, via a Fourier representation and
a limiting process $\hbar \rightarrow 0$

$$\begin{aligned} \langle [A(t); B(t')] \rangle &= -\frac{i}{\hbar} \int_{-\infty}^{+\infty} I(\omega) \omega e^{-i\omega(t-t')} d\omega, \\ \langle\langle A, B \rangle\rangle_E^{\text{ret}} &= \frac{1}{2\pi i} \int_{-\infty}^{+\infty} I(\omega) \omega \frac{d\omega}{E + i\epsilon - \omega}, \\ \langle\langle A, B \rangle\rangle_E^{\text{adv}} &= \frac{1}{2\pi i} \int_{-\infty}^{+\infty} I(\omega) \omega \frac{d\omega}{E - i\epsilon - \omega}. \end{aligned} \quad (9)$$

The validity of these relations is proved in what follows. Further, a
classical analogue is derived for the quantum mechanical theorem on the

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Green's functions in the...

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variation of the mean value of a dynamic quantity under the action of an infinitely small adiabatic increment of the Hamiltonian. This infinitely small increment is expressed by

$$H \rightarrow H + \delta H(t),$$

$$\delta H = \sum_{\alpha} e^{-iEt} \delta U_{\alpha}(q_1 \dots q_N; p_1 \dots p_N), \quad (11)$$

$$(E = i\varepsilon + \Omega; \varepsilon > 0).$$

The increment $\delta \langle A(t) \rangle$ due to the variation of the Hamiltonian is calculated using the dynamic variable A as expressed by

$$A(t) = A(q_1(t), \dots, q_N(t); p_1(t), \dots, p_N(t))$$

The results can be represented in the simple form

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Green's functions in the...

S/188/62/000/005/006/008
B102/B108

$$\delta \langle A(t) \rangle = 2\pi \sum_{\Omega} e^{-iEt} \ll A, iU_{\Omega} \gg_{\Omega}$$

$$E = \Omega + \varepsilon i, \text{ ret.}$$

$$E = \Omega - \varepsilon i, \text{ adv}$$

ASSOCIATION: Kafedra statisticheskoy fiziki i mekhaniki (Department of
Statistical Physics and Mechanics) ✓

SUBMITTED: January 19, 1962

Card 4/4

S/056/62/043/002/043/053
B108/B102

24.4500

AUTHORS:

Bogolyubov, N. N., (jr.), Sadovnikov, B. I.

TITLE:

Green's functions and distribution functions in statistical mechanics of classical systems

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 43, no. 2(8), 1962, 677-688

TEXT: Two-time advanced and retarded Green's functions and their spectral representation are introduced in the statistical mechanics of classical systems. A method is developed of deriving a chain of equations for determining these two-time "classical" Green's functions. This method consists in varying a known system of equations for the general one-time distribution functions with respect to an infinitely weak external field. The method is illustrated by an example of a self-consistent field type approximation. The resultant equation for the Green's functions is solved in quadratures. /B

ASSOCIATION:

Moskovskiy gosudarstvennyy universitet (Moscow State University)

Card 1/2

S/188/63/000/001/012/014
B164/B102

AUTHORS: Bogolyubov, N. N. (jr.), Sadovnikov, B. I.
TITLE: Green's functions and distribution functions in statistical mechanics of quantum systems
PERIODICAL: Moscow. Universitet. Vestnik. Seriya III. Fizika, astronomiya, no. 1, 1963 74-80

TEXT: The method developed by the authors for the statistical mechanics of classical systems (ZhETF 43, no. 8, 677, 1962) is extended here to quantum mechanical systems and the relationship between the equations of the ordinary single-time distribution functions and those for two-time Green's functions are derived. It is shown that a system of coupled equations can be obtained for two-time Green's functions by varying a system of equations for distribution functions in accordance with the theorem of the variation of the mean values of dynamic operators. Approximation methods for decoupling the system of equations are briefly discussed. In a paper about to be published the authors analyze the decoupling of the system of equations for two-time Green's functions in

Card 1/2

Green's functions and ...

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B164/B102

first approximation. They obtain Hartree-Fock equations by the method of the Green's functions.

ASSOCIATION: Kafedra statisticheskoy fiziki i mekhaniki (Department of Statistical Physics and Mechanics) ✓

SUBMITTED: June 2, 1962

Card 2/2

BOGOLYUBOV, N.N. (mladshiy); SADOVNIKOV, B.I.

Hartree-Fock's equations in the method of Green's functions.
Vest. Mosk. un. Ser. 3: Fiz., astron. 18 no.2:47-57 Mr.-Ap '63.
(MIRA 16:6)

1. Kafedra statisticheskoy fiziki i mekhaniki Moskovskogo
universiteta.

(Potential, Theory of)
(Quantum statistics)

L 15530-66 EWT(d)/T IJP(c)

ACC NR: AP5025859

SOURCE CODE: UR/0020/65/164/004/0785/0788

AUTHOR: Sadovnikov, B. I.

ORG: Institute of Mathematics im. V. A. Steklov, Academy of Sciences SSSR (Matematicheskiy institut Akademii nauk SSSR)

TITLE: An equation for the "classical" Green's functions in the kinetic approximation

SOURCE: AN SSSR. Doklady, v. 164, no. 4, 1965, 785-788

TOPIC TAGS: Green function, Boltzman equation, statistic mechanics, gas dynamics

ABSTRACT: In earlier papers the author together with N. N. Bogolyubov, Jr. (Vestn. Mosk. univ., no. 5, 54, 1962; ZhETF, 43, 677, 1962) introduced the notion of "classical" Green's functions. The present note derives a closed expression for the basic ("lowest" order) Green's function for the classical statistical system of particles with short distance interactions (with an accuracy up to the third power) which characterizes systems with a low density of the formal expansion parameter $n = N/V$. When the expression is specialized for a system of elastic spheres the resulting equation represents an analog of the classical Boltzman equation (which takes into account the final size of the particles) in the Green's

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UDC: 533.70

L 15530-66

ACC NR: AP5025859

function approach. The specialized equation will be further discussed in a subsequent paper. Author is deeply indebted to Academician N. N. Bogolyubov who guided the investigation and I. A. Kvasnikov and N. N. Bogolyubov, Jr. for useful discussions. The paper was presented by Academician N. N. Bogolyubov, 25 Mar 65. Orig. art. has: 17 formulas.

SUB CODE: 12, 20 / SUBM DATE: 12Mar65 / ORIG REF: 003

Card 2/2

SADOVNIKOV, B.I.

Asymptotic behavior of classical Green functions in "viscous
hydrodynamic approximation." Dokl. AN SSSR 164 no.5:1024-1027
(MIRA 18:10)
C '65.

1. Submitted April 19, 1965.

SADOVNIKOV, G.A., inzh.

Making aerated refractory concrete.
'60.

(Lightweight concrete)

Stroi. mat. 6 no.11:19-20 N
(MIRA 13:11)
(Refractory materials)

SADOVNIKOV, G.A., inzh.

New insulating material based on air-entrained concrete. Energ.
stroitel'stvo no.27:40-44 '62. (MIRA 15:9)

1. Moskovskiy filial Vsesoyuznogo instituta po proyektirovaniyu
organizatsiy energeticheskogo stroitel'stva.
(Insulation (Heat)) (Air-entrained concrete)

SADOVNIKOV, G.A., inzh.

Manufacturing technology of three-layer wall panels from mesh-reinforced concrete. Energ.stroi. no.25:31-35 '61. (MIRA 15:4)

1. Moskovskiy filial instituta "Orgenergostroy".
(Concrete slabs)
(Electric power plants--Design and construction)

SADOVNIKOV, G.A.; inzh.; POSADSKIY, A.K., inzh.

Coarse-pored slag concrete. Energ. stroi. no.26:22-27 '61.

(MIRA 15:7)

1. Moskovskiy filial Vsesoyuznogo instituta po proyektirovaniyu
organizatsiy energeticheskogo stroitel'stva (for Sadovnikov). 2.
Tekhnicheskoye upravleniye Ministerstva stroitel'stva elektrostantsiy
SSSR. (for Posadskiy)
(Lightweight concrete)

S/196/63/000/002/020/026
E194/E155

AUTHOR: Sadovnikov, G.A.

TITLE: A new heat-insulating material based on air-entrained concrete

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika, no.2, 1963, 29-30, abstract 2 S 118. (In collection: Energ. str-vo, 27, Moscow-Leningrad, 1962, 40-44)

TEXT: Ordinary air-entrained concrete is of poor resistance to temperatures above 600 °C. It is destroyed by the stresses which result from variations in temperature and the great temperature difference between zones which have been heated and those which have not. Moreover, dehydration of the hydrated lime forms free lime in the Portland cement binder. It is found that the harmful influence of temperature on Portland cement stone may be considerably reduced by adding finely-milled fireclay to the composition, giving heat-resistant air-entrained concrete which can withstand temperatures up to 1000 °C with a bulk density of 540-640 kg/m³. Preparation of the mixture in a solution mixer and the heat treatment cycle are described. Because of the good

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A new heat-insulating material ...

S/196/63/000/002/020/026
E194/E155

results obtained in testing experimental samples it was possible to introduce heat-resistant air-entrained concrete in the construction of a prefabricated chamber-type heating furnace. Service performance of the furnace confirmed the reliability of the thermal insulation made up of blocks of air-entrained concrete of 900 x 470 x 120 mm. It was noted that the use of finely-milled fireclay with a specific surface greater than 4000 cm² per gram increases the heat-resistance of air-entrained concrete from 600 to 1000 °C or more. For large components this material has great advantages over diatomaceous brick. The method of manufacturing air-entrained concrete is simpler, cheap and does not require special furnaces for firing. The use of large components of heat-resisting air-entrained concrete offers extensive possibilities for the industrialization of heat-insulating operations.

5 references.

[Abstractor's note: Complete translation.]

Card 2/2

POSADSKIY, A.K., inzh.; SADOVNIKOV, G.A., inzh.

Continuous line techniques for manufacturing long units of reinforced concrete structures. Energ. stroi. no.33:20-26 '63. (MIRA 17:8)

1. Moskovskiy filial Vsesoyuznogo instituta po proyektirovaniyu organizatsiy energeticheskogo stroitel'stva (for Sadovnikov).

SADOVNIKOV, G.N.

Age of the volcanic formations of the Tunguska syncline.
Izv. AN SSSR. Ser. geol. 29 no.11:68-77 N '64. (MIRA 17:12)

1. Geologicheskii institut AN SSSR, Moskva.

SADOVNIKOV, G.N.

Border-line between the coal-bearing and tufaceous sediments of
the Tunguska complex in the lower part of the Lower-Tunguska Valley.
Izv. vys. ucheb. zav.; geol. i razv. 3 no.8:16-20 Ag '60.

(MIRA 13:10)

1. Vsesoyuznyy aerogeologicheskiy trest.
(Tunguska Basin--Geology, Stratigraphic)

BELOZEROV, V.P.; SADOVNIKOV, G.N.

Stratigraphy of the Korvunchana series in the lower part of the
Lower Tunguska Basin. Trudy VAGT no.8:24-42 '62. (MIRA 15:11)
(Lower Tunguska Valley—Geology, Stratigraphic)

SIROTENKO, G.Z.; SADOVNIKOV, G.P.

New pneumatic turning hoists. Mashinostroenie no.4:16-17 J1-Ag
'63. (MIRA 17:2)

LEONOV, D., inzh. (Moskva); SLITKOV, Ye., inzh. (Moskva); BOCHKAREV, A.,
slesar' (g. Yelabuga, Tatarskaya ASSR); ROMANOV, S., inzh.;
UGOL'NIKOV, A.; YANITSKIY, G., uchitel' (Moskva); TASLITSKIY, M.;
SADOVNIKOV, I. (g. Obninsk, Kaluzhskaya oblast')

Suggested, created, introduced. Izobr. i rats. no. 1:14-15 '63.
(MIRA 16:3)

1. Institut "Orgtekhstroy", g. Odessa (for Romanov). 2. Moskovskiy
pochtamt i chlen soveta Vsesoyuznogo obshchestva izobretateley i
ratsionalizatorov (for Ugol'nikov). 3. Sotrudnik Gosudarstvennogo
instituta po vnedreniyu peredovykh metodov rabot i truda v
stroitel'stve Ministerstva stroitel'stva RSFSR, Moskva (for
Taslitskiy).

(Technological innovations)

SADOVNIKOV, I. F.

CA

15

PROCESSING AND PREPARATION INDEX

The classification of the soils of the Trans-Volga region.
 I. F. Sadoynikov. *Pedology* (U. S. S. R.) 1941, No. 1,
 3-20 (in German, 20-1).—Data are presented on: (1)
 the quantity of Ca, Mg and Na in the exchange complex
 of the profiles of several types of solonetz; (2) the humus,
 exchangeable Ca and Mg, H₂O ext. (recording Ca, Mg and
 HCO₃), and CO₂ of a series of profiles of different types of
 chestnut brown and chernozem soils. The data together
 with the soil. Cl and SO, serve as a basis for classifying
 soils.
 J. S. Jo

OPEN

ASAC, SLA METALLURGICAL LITERATURE CLASSIFICATION

12345678910111213141516171819202122232425262728293031323334353637383940414243444546474849505152535455565758596061626364656667686970717273747576777879808182838485868788899091929394959697989900	12345678910111213141516171819202122232425262728293031323334353637383940414243444546474849505152535455565758596061626364656667686970717273747576777879808182838485868788899091929394959697989900
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SADOVNIKOV, I. F.

Soil cartography. Moskva, Gos. izd-vo geogr. lit-ry, 1952. 123 p. (54-22224)

S599.R9S19

SADOVNIKOV, I. I.

On April 1, 1958, the Council of Ministers (MVD) in the fields of science and inventions announced that the following scientific works, popular science books, and textbooks have been submitted for competition for Stalin Prizes for 1958: 1. I. I. Sadovnikov, "Soils of the Southern Zavolzh'ye as an Objective for Irrigation" (Moscow, 1957, 144 pp., 100,000 copies).

Name	Title of work	Submitted by
Sadovnikov, I. I.	"Soils of the Southern Zavolzh'ye as an Objective for Irrigation"	Institute of Soils imeni V. V. Dokuchayev, Academy of Sciences USSR

SADCVNIKOV, I. F.

Irrigation

Characteristics of soil-hydrogeological research for irrigation purposes. Pochvovedenie, No. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

1. SADOVNIKOV, I. F.
2. USSR (600)
4. Soil Surveys
7. What soil maps show. Pochvovedenie no.11, 1952.
9. Monthly List of Russian Accessions. Library of Congress, March 1953. Unclassified.

SADOVNIKOV, I. F.

Soil surveys and the preparation of soil maps. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1953.
158 p. (54-19023)

S593.S15

SADOVNIKOV, I. F.

SOBOLEV, S. S., SADOVNIKOV, I. F.

Erosion

Map of the depth of the principal regional base--levels of erosion in the U. S. S. R.
Pochvedenie No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Unclassified.

SADOVNIKOV, I. F.

U S S R .

9894* The Spread of Soil Erosion and Its Prevention in Regions Where Virgin and Long-Unused Soils Are Being Put Into Use. *Rasprostraneniye erozii pochv i preduprezhdeniye ee v raionakh osvoeniya tseliynykh i zaleznykh zemel'*. (Russian.) S. S. Sobolev and I. F. Sadovnikov. *Pochbovedeniye*, 1955, no. 1, Jan., p. 18-24 + 4 plates.
Types of plowing, fallow strips, trenching, other measures against washout and wind. Use of forest and grass belts. Map.

SOBOLEV, S.S.; SADOVNIKOV, I.F.

Controlling wind and water erosion of soils in the U.S.S.R.
Pochvovedenie no.7:18-29 J1 '56. (MLRA 9:11)

1. Pochvennyy institut imeni V.V.Dokuchayeva Akademii nauk
SSSR.

(Soil conservation)

SADOVNIKOV, Ivan Stepanovich; IVANOV, Vyacheslav Alekseyevich;
BAUMAN, V.A., kand.tekhn.nauk, red.; POLTORATSKAYA, E., red.;
ZELENKOVA, Ye., tekhn.red.

[Building tools; a manual] Stroitel'nye instrumenty; spravochnoe posobie. Kiev, Gos.izd-vo lit-ry po stroitel'stvu i arkhitekture USSR, 1960. 131 p. (MIRA 13:5)
(Building--Tools and implements)

SHADOVNIKOV, N. L.

✓ Dressing for hides. V. A. Gol'dshtein, N. L. Sadovnikov, and A. S. Pnukova. U.S.S.R.: 103,772, Sept. 28, 1950. The dressing is made of a methacrylate emulsion and shellac to which is added Na alginate as a film-forming substance.

M. Hatch

Maxis

3/

AKSEL'ROD, Solomon Moiseyevich; BERMAN, Mark Mikhaylovich; VINGGRAY, Lazar' Il'ich; GOL'DZAND, Samuil Shlemovich; DUGIN, Yakov Sergeyevich; DULEPOV, Konstantin Vasil'yevich; KALUGA, Ivan Ivanovich; LERNER, Yefim L'vovich; LUTSKIY, Moisey Leybovich; PILETSKIY, Vladimir Kirillovich; SADOVNIKOV, Petr Pavlovich; SHLYAMOVICH, Abram Aronovich; VASIL'YEV, B.A., red.; SOFOLEV, Ye.M., tekhn. red.

[Problems of radio engineering and radar]Zadachnik po radiotekhnike i radiolokatsii. [By]S.M.Aksel'rod i dr. Moskva, Gosenergoizdat, 1962. 414 p. (MIRA 15:12)

(Radio) (Radar)

SADOVNIKOV, R.G.; IBRAGIMOV, I.A.; MAKHMUDOV, M.S.; ABISALOV, T.M.

Investigation of reinforced concrete loaded pontoons for
underwater pipelines. Stroi.truboprov. 10 no.10:6-8 0 '65.
(MIRA 18:19)

1. Gipromorneft', Baku.

SADOVNIKOV, V., mekhanik

Improving designs of separate "RMZ"-crane units. Rech. transp.
19 no. 2:41 F '60. (MIRA 14:5)

1. Irkutskiy port.
(Cranes, derricks, etc.)

SADOVNIKOV, V.; YASINOVSKIY, M.

Distance does not stand in the way of friendship. NTO 5 no.10:
56-57 0 '63. (MIRA 17:1)

1. Zamestitel' predsedatelya soveta nauchno-tekhnicheskogo obshchestva Moskovskogo zavoda malolitrzhnykh avtomobiley (for Sadovnikov).
2. Chlen nauchno-tekhnicheskogo obshchestva Moskovskogo zavoda malolitrzhnykh avtomobiley (for Yasinovskiy).

SADOVNIKOV, V.

In Kokshetav Province. Zashch. rast. ot vred. i bol. 10 no. 4:8 '65.
(MIRA 18:6)

1. Glavnyy agronom Kokshetavskoy stantsii zashchity rasteniy.

SADOVNIKOV, V.; GROMOV, A., pensioner

Development of friendly cooperation at the Moscow plant for
gas-economy cars. Sots.trud 4 no.8:121-124 Ag '59.
(MIRA 13:1)

1. Nachal'nik otдела Moskovskogo zavoda malolitrzhnykh
avtomobiley (for Sadovnikov). 2. Byvshiy starshiy inzhener
otдела truda i zarabotnoy platy Moskovskogo zavoda
malolitrzhnykh avtomobiley (for Gromov).
(Moscow--Automobile industry)